DEEP RABADIYA

📍 Jamnagar, Gujarat | 📞 9510108275 | ✉ Email | in Linkedin | 🐙 Github | 🌐 Portfolio

EDUCATION

Dhirubhai Ambani Institute of Information and Communication Technology Gandhinagar, GJ
M,Sc, Agriculture Analytics (Geospatial Data Science) *2023 – 2025*

Junagadh Agricultural University Junagadh, GJ
B.Sc.(Hons) Agriculture *2019 – 2023*

EXPERIENCE

Remote Sensing and GIS Analyst May 2024 – July 2024
Semantic Technologies and Agritech Services Pvt Ltd *Pune, Maharashtra*
- At Semantic Technologies and Agritech Services Pvt Ltd, I leveraged SAR and optical data to develop machine learning models for crop health and area estimation, enhancing agricultural productivity. This experience honed my skills in remote sensing, GIS and agritech solutions.

Machine Learning Intern March 2024 – April 2024
Coding Samurai *Remote*

Machine Learning Intern March 2024
Mentorness *Remote*

TECHNICAL SKILLS

Languages: Python, R, SQL
Tools and Technologies: ArcGIS, QGIS, ERDAS IMAGINE, SNAP, Envi, Google Earth Engine, PostgreSQL, Power BI, Advance Excel, SciKit-Learn, Keras, Ms-Office
Libraries: Pandas, NumPy, Matplotlib, Rasterio, Gdal, Geopandas, Sklearn, Keras

PROJECTS

Satellite Based Crop Mapping and Area Estimation | *Semantic Tech* May – July 2024
- Python, ML, ArcGIS, Qgis, Erdas, Snap, Google Earth Pro, GEE

Land Cover Change Detection (Deforestation) | *Dr. Ranendu Ghosh* Oct – Nov 2023
- Python, ML, ArcGIS, Qgis

Soil erosion esti. from satellite using advanced statistical learning | *Mr. Justin George* March – April 2024
- GEE, Python, ArcGIS, Qgis

Crop Recommendation System | *Mr. Kapil Oberai* Feb 2024
- PostgresML, Various ML Algorithms, VS Code, Streamlit

Soil Moisture Prediction | *Dr. Kamal Panday* March 2024
- Machine Learning

NPK Detection and Inventory Management System | *Dr. Amit Mankodi* Sep 2023 – Oct 2023
- Python

Soil Properties Estimation Using Hyperspectral Image | *Mr. Paresh Rathod* Aug 2024
- ML, DL, GIS Softwares

Web GIS (Web Mapping Of Ramsar Sites of India) | *Nascent Infotech* July 2024
- GeoServer, HTML, Javascript, Postgres

CERTIFICATIONS

Microwave Data Processing and Applications | *Space Application Centre, ISRO*
Spatial Analysis with ArcGIS Pro | *esri India*
Crop Yield Modelling using Advance Geospatial Technologies | *Amnex Infotechnologies*
Application of Geoinformatics in Ecological Studies | *IIRS, ISRO*
Advance Excel, Power BI and Tableau | *The Pioneer Tech*
Developing Web-based Geographical Information Systems | *Nascent Infotech*
Application of Geoinformatics in Ecological Studies | *IIRS, ISRO*